



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

More Wayes  
For the same Purpose, Intimated by M.  
Hook.

I Have by me (saith Mr. H.) two or three several wayes of Measuring the Diameters of the Planets, whether Horizontal, Perpendicular, or Inclined, to the exactness of a Second, by the help of a Telescope: As also, of taking the Position and Distance of the Small Fixt Stars one from another, or from any of the less bright Planets, if the Distance be not above two or three Degrees.

The Particulars hereof, the Author refers to the next Opportunity.

Observations

Of the Star, called *Nebulosa*, in the Girdle of Andromeda; and of the Wondrous Star in the Neck of the Whale: made and communicated by Monsieur Bullialdus.

Anno 1667. in January, when the Cloudy and Misty weather, which had continued for a good while, did permit us to observe, the Star *Nebulosa*, in the Girdle of *Andromeda* (which may well enough be seen by the bare Eye) appeared much obscurer than the Year before. In the Months of *February* and *March* I did not see it.

Anno 1667, January 20. at Night, h. 6. 30. the Sky being pretty serene, the Star in the Neck of the *Whale*, did approach to the bigness of a Star of the *Sixth Magnitude*, and grew bigger afterwards.

February 12, h. 6. 30'. I saw the same again, equalling now a Star of the *Fourth Magnitude* at least.

February 24, h. 7. This Star was equal to those of the *Third Magnitude*, shining very bright.

February 26, The same appeared yet to increase; as also February 27. But after this time I could not see it, by reason of the ill weather.

*The same Astronomer did subjoin the following Extract of a Letter he received from Monsieur Hevelius, March 15. 1667. concerning such another Star; viz.*

I have watched the *New Star* in the *Neck of the Whale*, as often as the weather would give me leave, which it hath done but seldom this Winter. In *January*, the 3, 4, 5, 7, and 13 dayes, it did not yet appear. From this time, the *Sky* was continually overcast, till *January 23.* on which day, I found a little *Star* of the *Sixth* or *Seventh Magnitude*, about the same place where the said *New Star* uses to appear. But it then seemed to me not the genuine *New Star*, but another, to wit, preceding the *New*; whose *Longitude* hath been defined by me in *Mercurius in Sole visus in Aries.* gr. 25. 43'. 3". and the *Latitude* gr. 14. 41'. 32". *South*, Anno 1660. Then from *January 23.* to *February 2.* it was *Cloudy* weather again; but this *second* of *February*, it appear'd very bright, and that when the *Moon* shone, of the bigness of that in the *Mouth of the Whale*, or *Nodo Lini*: from which time I alwayes observed it to grow bigger. *March 13.* I did still find it extreamly bright, but could not by my naked *Eye*, because of the vivid *Crepuscle*, and the low site of the *Star*, accurately determine its *Magnitude*.

I have received (*saith he further*) your two *Monita ad Astro-*  
See *Numb. 22.* of these *nomos*; and the *Discourse* hath much pleased me,  
*Transactions*, p. 381., you having not much deviated from the *Truth*,  
382. where an account is given of these two in respect of the Appearance. Heretofore I had  
*Monita* of *M. Bulli* of this, and other *New Stars*, another *Hypothesis*;  
*aldu*. but I cannot thereby so accurately divine the Ap-  
pearances, as you will read more largely in its due place.